IN THE CLAIMS:

The text of all pending claims, 1-2, 4-15 and 17-25, is set forth below. The status of each claim is indicated with one of (original), (currently amended) or (cancelled). Please CANCEL claims 3 and 16 without prejudice or disclaimer. Please AMEND claims 1, 2, 4-7, 9, 10, 12-15, 17-20, 22 and 23-25 in accordance with the following:

1.   (currently amended) A method ~~for~~ of distributing application software applied to an application software distribution system, comprising ~~the steps of~~:

a) initializing to distribute application software files to a mobile station;

b) receiving an application software transmission/ reception requiring message from the mobile station;

c) if the application software transmission requiring message is received, transmitting the application software file to the mobile station; and

d) if the application software reception requiring message is received, receiving the application software file from the mobile station~~.~~,

wherein c) includes:

c1) constructing a transmission plan in the application software distribution system and transferring a transmission plan message to the mobile station;

c2) opening an application software file to be transmitted; and

c3) transmitting the application software file to the mobile station.

2.   (currently amended) The method as recited in claim 1, before ~~the step~~ a), further ~~comprising the step of~~comprises:

e) generating a thread in the application software distribution system.

3.   (cancelled)

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4.   (currently amended) The method as recited in claim 3~~2~~, before ~~the step~~c1) further ~~including the step of~~comprises:

c4) transmitting a response message to the application software transmission requiring message.

5.   (currently amended) The method as recited in claim 2, wherein ~~the step~~d) ~~includes the steps of~~comprises:

d1) constructing a reception plan in response to an application software reception requiring message;

d2) receiving application software file packets;

d3) determining whether there is an error in the application software file packets; and

d4) if there is no error in the application software file packet, storing the application software file packets.

6.   (currently amended) The method as recited in claim ~~3 or~~5, before ~~the step~~b), further ~~including the step of~~comprises:

f) confirming that the mobile station is a service subscriber.

7.   (currently amended) The method as recited in claim 4, further ~~including the steps of~~comprises:

c5) if all of the application software files are transmitted, transmitting an application software transmission completion packet to the mobile station;

c6) receiving an application software transmission requirement releasing message from the mobile station; and

c7) terminating the thread.

8.   (original) The method as recited in claim 7, wherein the application software distribution system stores charging information to make a user of the mobile station chargeable for an execution of said application software program.

9.   (currently amended) The method as recited in claim ~~10~~1, wherein ~~the step~~a) ~~includes the steps of~~comprises:

a1) generating a program ~~identity~~ identifier (PID) allocated to transmit the application software transmission plan message; and

a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software are stored.

10.   (currently amended) The method as recited in claim 9, further ~~including the step of~~ comprising:

performing a data backup for information concerned with the user of the mobile station through a data backup equipment, when the mobile station is not used for a constant period by automatically checking a using period of the user of the mobile station.

11.   (original) The method as recited in claim 10, wherein the application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

12.   (currently amended) A method ~~for~~ of distributing application software file applied to a mobile station, comprising ~~the steps of~~:

a) performing an initialization in the mobile station;

b) transmitting an application software transmission/ reception requiring message to an application software distribution system;

c) if the application software transmission requiring message is transmitted, receiving an application software file from the application software distribution system; and

d) if the application software reception requiring message is transmitted, transmitting the application software file~_{-}.

wherein c) includes:

c1) receiving a transmission plan message from an application software distribution system;

c2) constructing a reception plan;

c3) receiving an application software transmission start packet from the application software distribution system;

c4) standing by to receive an application software file;

c5) receiving the application software file from the application software distribution system; and

c6) storing the application software file.

13.   (currently amended) The method as recited in claim 12, after ~~the step~~ c), further comprising~~ the steps of~~:

e) installing the application software file.

14.   (currently amended) The method as recited in claim 13, before ~~the step~~ a), further comprising~~ the steps of~~:

f) selecting an application software program necessary for the mobile station, if there is no necessary application software file.

15.   (currently amended) The method as recited in claim 15, after ~~the step~~ b), further ~~including the step of~~comprising:

g) receiving a response to the application software reception requirement message.

16.   (cancelled)

17.   (currently amended) The method as recited in claim ~~16~~12, after ~~the step~~ c5),
further ~~including the step of~~comprising:

~~c6~~c7) performing an error checking of the application software file.

18.   (currently amended) The method as recited in claim 15, wherein ~~the step~~ e)
~~includes the steps of~~comprises:

e1) receiving an application software transmission completion packet from the
application software distribution system;

e2) determining whether there is an error in the application software file; and

e3) if there is no error in the application software file, installing the application software
file.

19.   (currently amended) The method as recited in claim 18, further ~~including the step
of~~comprising:

performing a data backup for information concerned with the user of the mobile station
through a data backup equipment, when the mobile station is not used for a constant period by
automatically checking a using period of the user of the mobile station.

20.   (currently amended) The method as recited in claim ~~10~~12, wherein ~~the step~~ a)
~~includes the steps of~~comprises:

a1) generating a program ~~identity~~ identifier (PID) allocated to transmit the application
software transmission plan message; and

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a2) storing the PID and an internet protocol (IP) address allocated to transmit the application software are stored.

21.   (original) The method as recited in claim 20, wherein the application software distribution system differentially provides a storing space in accordance with an age or an occupation of the user of the mobile station.

22.   (currently amended) The method as recited in claim ~~23~~21, wherein the mobile station deletes the application software or transmits the application software to the storing space of the application software distribution system, if the storing space of the mobile station is shortage.

23.   (currently amended) The method as recited in claim 22, further ~~including the step of~~comprising:

automatically connecting to a server designated by a uniform resource locator (URL) of a specified site, when the application software file distributed from the application software distribution system is executed, the URL being set inside the application software.

24.   (currently amended) A computer readable record medium storing instructions for executing a method for distributing application software applied to an application software distribution system, the method comprising ~~the steps of~~:

a) initializing to distribute application software files to a mobile station;

b) receiving an application software transmission/ reception requiring message from the mobile station;

c) if the application software transmission requiring message is received, transmitting the application software file to the mobile station; and

d) if the application software reception requiring message is received, receiving the application software file from the mobile station-,

wherein c) includes:

c1) constructing a transmission plan in the application software distribution system and transferring a transmission plan message to the mobile station;

c2) opening an application software file to be transmitted; and

c3) transmitting the application software file to the mobile station.

25.　(currently amended)　A computer readable record medium storing instructions for executing a method for distributing application software applied to an mobile station, the method comprising the steps of:

a) performing an initialization in the mobile station;

b) transmitting an application software transmission/ reception requiring message to an application software distribution system;

c) if the application software transmission requiring message is transmitted, receiving an application software file from the application software distribution system; and

d) if the application software reception requiring message is transmitted, transmitting the application software file-,

wherein c) includes:

c1) receiving a transmission plan message from an application software distribution system;

c2) constructing a reception plan;

c3) receiving an application software transmission start packet from the application software distribution system;

c4) standing by to receive an application software file;

c5) receiving the application software file from the application software

distribution system; and

c6) storing the application software file.